MCZ SERIES
MCZ OVP TAZ DIODE 24VUC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Germany
Fon: +49 5231 14-0
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- Slimline overvoltage protection terminal with tension clamp connection
- 6 mm Slimline fine overvoltage protection
- fast wiring thanks to TS contact and tension clamp connections
- can be cross-connected

General ordering data

Available until	2021-12-31
Type	MCZ OVP TAZ DIODE 24VUC
Order No.	8449160000
Version	MCZ SERIES, Surge protection for instrumentation and control, 13 A
GTIN (EAN)	4008190128548
Qty.	10 pc(s).
Alternative product	1064740000

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Technical data

Dimensions and weights

Width	6 mm	Width (inches)	0.236 inch
Height	91 mm	Height (inches)	3.583 inch
Depth	63.5 mm	Depth (inches)	2.5 inch
Net weight	24.5 g		

Temperatures

Operating temperature, max.	60 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	85 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...60 °C	Storage temperature	-40 °C...85 °C

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

General data

Colour	black	Design	Terminal
Height with TS 35	63.5 mm	Protection degree	IP20
Rail	TS 35	Segment	Measurement - Monitoring - Setting
UL 94 flammability rating	V-0	Version	Surge protection for measurement and control

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III

Rated data IEC / EN

Discharge current, max. (8/20 µs)	0.5 kA	Fuse	10A
Max. continuous voltage, Uc (AC)	27 V	Operating current, $I_{max.}$	13 A
Operating voltage	26 A	Protection level on output side Wire-PE 1kV/µs, typically	110 V
Protection level on output side Wire-PE 8/20 µs, typically	130 V	Protection level on output side Wire-wire 1 kV/µs, typically	55 V
Protection level on output side Wire-wire 8/20 µs, typically	65 V	Rated current I_N	13 A
Rated voltage (AC)	24 V	Rated voltage (DC)	27 V
Rated voltage (DC), max.	26 V	Response time	≤ 100 ps
Voltage type	AC/DC	Volume resistance	0.20 Ω

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Connection data

Cross-section	1.5 mm²	Wire connection method	Tension-clamp connection
Type of connection	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	1.5 mm²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, max.	1.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	1.5 mm²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 3.0	EC000943	ETIM 4.0	EC000381
ETIM 5.0	EC000381	ETIM 6.0	EC000943
UNSPSC	30-21-18-11	eClass 5.1	27-14-11-27
eClass 6.2	27-13-08-02	eClass 7.1	27-13-08-02
eClass 8.1	27-13-08-02	eClass 9.0	27-13-08-07
eClass 9.1	27-13-08-07		

Approvals

Approvals	
ROHS	Conform

Downloads

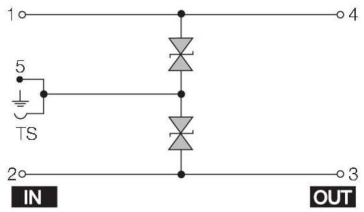
Approval/Certificate/Document of Conformity	CE PAPER Declaration of Conformity
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

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Drawings

Electric symbol



Circuit diagram